



The Commonwealth of Massachusetts

Executive Office of Environmental Affairs

Department of Environmental Protection
Southeast Region

Lakeville Hospital, Lakeville, Massachusetts 02347

Daniel S. Greenbaum
 Commissioner

Gilbert T. Joly
 Regional Director

MEMORANDUM

OCT 1 1990

TO: Pat Mullens, MSCA Coordinator, DEP, BWSC - Boston

THROUGH: Joseph F. Kowal, Chief, Site Support Section,
 DEP, BWSC - Southeast Regional Office

FROM: Gail Costelas, MSCA Coordinator, DEP, BWSC -
 Southeast Regional Office

DATE: September 26, 1990

SUBJECT: WSC/SA 4-0022, Texas Instruments, Inc., 34 Forest
 Street, Attleboro, MA - Addendum to November 1985
Screening Site Inspection

In November 1985, an EPA Site Inspection Report on Texas Instruments, Inc., located at 34 Forest Street in Attleboro, MA (the "disposal site") was completed by the Department's FIT contractor, Wehran Engineering Corporation (presently Wehran Engineers and Scientists).

On June 11, 1990, the Department received correspondence from Nancy Smith of the U.S. EPA dated June 6, 1990. In the U.S. EPA correspondence the Department was requested to supply some additional information in order for the EPA Site Inspection Report to be credited as a work product under the Multi-Site Cooperative Agreement. The writer provides the following requested information:

1. "List the drinking water supplies and the population served by ground water drawn from within 4 miles of the site":

CITY/TOWN - WATER SUPPLY WELLS - ESTIMATED POPULATION SERVED
 (See Fig. 1)

ATTLEBORO: 9 West Street wells (PUBLIC)	*
2 Holden Street wells (PUBLIC- OUT OF SERVICE DUE TO HIGH Mg & Fe)	*
1 Bank Street well (PUBLIC-OUT OF SERVICE DUE TO HIGH Mg & Fe)	*

* These wells along with two wells in Mansfield, MA feed into a grid which distributes water to an Attleboro population of 35,000 and an estimated West Mansfield and North Attleborough population of 1800. The percentage of water supplied from each well varies.

CITY/TOWN - WATER SUPPLY WELLS - ESTIMATED POPULATION SERVED

Less than 50 PRIVATE wells are estimated within the four mile radius around the disposal site. The estimated closest private well to the disposal site is that of the Bearcroft Swim Club on Pike Avenue in Attleboro.

MANSFIELD: 3 West Street wells (PUBLIC) *

1 Plain Street well (PUBLIC) *

* It is estimated that these four wells serve an estimated population of 5560 in Mansfield.

There are, at minimum, six known PRIVATE wells within the four mile radius of the disposal site.

NORTON: There are not any PUBLIC water supply wells in the Norton section within a four mile radius of the disposal site. Please be advised that even though the Norton Reservoir is within a four mile radius, it is not used as a public water supply source.

Regarding the number of PRIVATE wells, approximately nine streets are either without public water supply service or have service on only part of the streets. Estimating the number of homes per street, there could be as many as 75 homes without public water supply service and dependent upon PRIVATE wells.

NORTH

ATTLEBOROUGH: 2 Kelley Boulevard wells (PUBLIC) 1800 homes

It is not known whether any PRIVATE wells are located within a four mile radius of the disposal site. However, all homes in North Attleborough are reportedly served by town water and therefore it is unlikely that many private wells exist.

2. Determine whether there are "surface water intakes located downstream of the site":

On September 17, 1990, the Department spoke to Nancy Smith of the U.S. EPA and was advised that surface water pathways were to be identified in addition to surface water intakes along the pathways. The following surface water pathways lead from the disposal site and no nearby surface water intakes were identified:

- a. Surface Runoff: A portion of the disposal site's surface runoff flows east towards Coopers Pond, through a large wetland area, continues on to Chartley Pond and Barrowsville Pond in Norton, and leads into the Taunton River Watershed (see attached Figure 2.1 for outfall location).
- b. Surface Runoff: The remaining disposal site's surface runoff flows southwest toward Speedway Brook, Dodgeville Pond, into the Ten Mile River watershed and continues on to Rhode Island (see attached Figure 2.1 for outfall location).
- c. Industrial Wastewater (NPDES permit): The wastewater from the disposal site generally flows east towards Coopers Pond and follows the pathway as a. above.
- d. Ground water remediation system discharge: The discharge to the ground water from the disposal site flows southwest towards Speedway Brook and follows the pathway as b. above.
- e. Non-contact cooling water: A portion of the disposal site's non-contact cooling water flows east towards Coopers Pond and follows the pathway as a. above.
- f. Non-contact cooling water: The remaining non-contact cooling water flows southwest toward Speedway Brook and follows the pathway as b. above.

Please refer this information to Nancy Smith of the U.S. EPA. Any questions should be directed to the writer at telephone number 508-946-2864.

GC/re



MANE 61670
WATER SUPPLY
WELLS:
167-05E
167-07E
167-08E
167-09E

WEST STREET
+
PLAIN STREET

N. ATTLEBORO
WATER SUPPLY
WELLS
211-06-6
211-05-6
KELLEY BND

ATTLEBORO
OUT-OF-SERVICE
WELLS
16-05-6
16-04-6
16-03-6
16-02-6
16-01-6

ATTLEBORO
WATER SUPPLY
WELLS
028 Rte 1A ST
0216-03E
016-00G
016-07E
016-08E
016-09E
016-10E
016-11E
016-12E

ATTLEBORO USGS QUADRANGLE

FIGURE 1

